

# Recombinant Human TFF2 Protein

Catalog No.: RP02848 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	7032	Q03403

### Tags

C-6His

### Synonyms

Trefoil Factor 2; Spasmolysin;  
Spasmolytic Polypeptide; SP; TFF2; SML1

## Product Information

Source	Purification
HEK293 cells	> 95% as determined by reducing SDS-PAGE.

### Endotoxin

&lt;1EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

Trefoil Factor 2 (TFF2) is a member of the trefoil family and contains two P-type (trefoil) domains. Members of this family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. TFF2 is a secreted protein and specifically expressed in the stomach. TFF2 inhibits gastrointestinal motility and gastric acid secretion. TFF2 could function as a structural component of gastric mucus, possibly by stabilizing glycoproteins in the mucus gel through interactions with carbohydrate side chains.

## Basic Information

### Description

Recombinant Human TFF2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu24-Tyr129) of human TFF2 (Accession #NP\_005414.1) fused with a 6×His tag at the C-terminus.

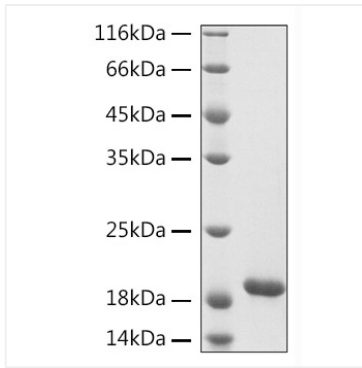
### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human TFF2 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 19 KDa.